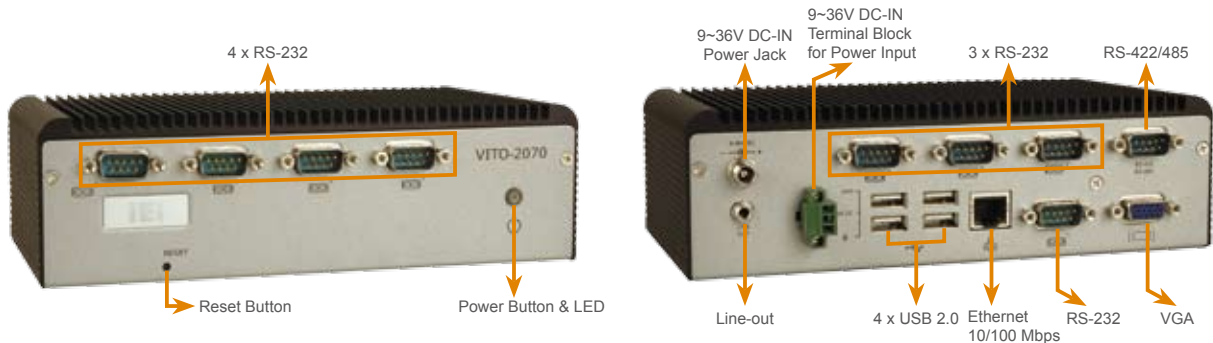


# VITO-2070/2071/2072/2073/2074

## Multiport Data Collector

with AMD® Geode™ LX 800 500 MHz, 1 x LAN, 8 x COM, 4 x USB, I/O support DI/DO/AI and CAN Bus



### Features

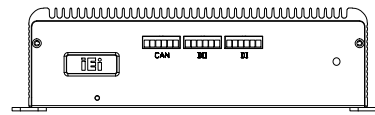
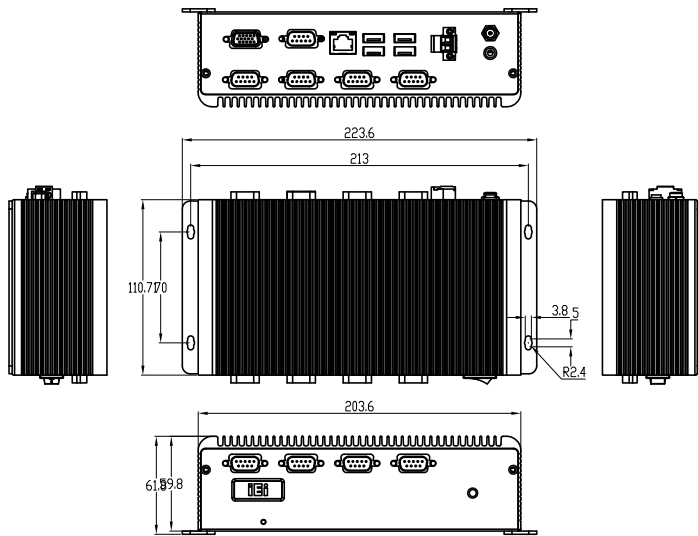
- AMD® Geode™ LX 800 500 MHz processor
- Eight RS-232 (9-pin D-SUB), one RS-422/485 (9-pin D-SUB)
- One 10/100 Mbps Ethernet RJ-45 port and four USB ports
- Windows® CE 5.0, Windows® XP Embedded ready platform
- Audio with Line out
- Included remote display for easy configuration
- Supports Modbus/RTU and Modbus/TCP devices
- Support DI/DO/AI and CAN Bus options
- Supports IEC OPC server software
- Power adapter with lock screw or bare wire connector type
- DIN-rail and wall mounting options

### Specifications

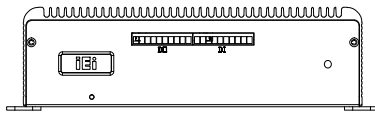
System hardware	CPU	AMD® Geode™ LX800 500 MHz				
	System chipsets	AMD® Geode LX800 + AMD® CS5536				
	Memory socket	1 x 200-pin 1 GB (max.) 400/333 MHz DDR SDRAM SO-DIMM				
	Memory size	256 MB				
	Keyboard/mouse	-				
	Expansion slot	-				
	PC/104	1 x PC/104				
	Printer port	-				
	Storage interface	1 x CF type II slot				
	Storage	256 M/1 G CF card				
VGA	1 x 15-pin D-SUB VGA output supports up to 1600 x 1200					
Audio	1 x line out					
Watchdog timer	Programmable					
I/O & communications	LAN	1 x Ethernet (10/100Base-T with RJ-45 port)				
	Serial port	7 x RS-232 (9-pin D-SUB), 1 x RS-422/485 (9-pin D-SUB) with Windows® XP Embedded				
	USB port	4 x USB 2.0				
	Serial port	3 x RS-232 (9-pin D-SUB), 1 x RS-422/485 (9-pin D-SUB) with Windows® CE 5.0				
Channel	<b>Model name</b>	<b>VITO-2070</b>	<b>VITO-2071</b>	<b>VITO-2072</b>	<b>VITO-2073</b>	<b>VITO-2074</b>
	<b>Communication interface</b>	-	2-channel isolated CAN Bus	-	-	2-channel isolated CAN Bus
	<b>Digital input</b>	-	4-channel isolated DI	8-channel isolated DI (2 x Counter)	4-channel isolated DI	4-channel isolated DI
	<b>Digital output</b>	-	4-channel isolated DO	8-channel isolated DO (2 x Timer)	4-channel isolated DO	4-channel isolated DO
	<b>Analog input</b>	-	-	-	2-channel AI	2-channel AI
Channel Hardware	Digital input signal	DI ch. 2,000 VDC isolation, 2,000 VDC ESD protection and 70 VDC overvoltage protection - 0 ~ 50 VDC input range and 10 kHz speed Digital input levels with dry contact: Logic level 0: Close to GND, Logic level 1: Open Digital input levels with wet contact: Logic level 0: +2 V max, Logic level 1: +4 V ~ +50 V				
	Digital output signal	DO ch 2000 VDC isolation and 200mA max/ch sink current keeps. Keeps output status after system hot reset. 5~30 VDC output range and 10kHz.				
	Counter / timer	2x 16-bit: - counter source: DI6 & DI7 , - Pulse output: DO6 & DO7 , Can be cascaded as one 32-bit counter/timer, Down counting, preset counting value, interrupt handling, Timer - time base: 100/10/1 kHz, 100 Hz				
	Analog input signal	2 ch. input type: Thermocouple: JKT type Input range : ±15 mV, ±50 mV, ±100 mV, ±500 mV, ±1 V, ±2.5 V, ±20 mA. T/C types and temperature ranges : J : 0 ~ 760°C, K : 0 ~ 1370°C, T : -100 ~ 400°C, E : 0 ~ 1000°C				
	CAN communication interface	Compatible with CAN specifications 2.0 3000VDC isolated by photo coupler for dual ports.				
	Power	Power input	9~36 VDC (e.g +24 V@1 A) (min.24 W), ATX	9~36 VDC (e.g +24 V@1.25 A) (min.30 W), ATX		
Power consumption		15 W	20 W			
Operation temperature		0 ~ 60°C				
Environmental	Humidity	5% ~ 95% RH without condensation				
	Vibration	5~17 Hz, 0.1" double amplitude displacement, 17~640 Hz, 1.5 G acceleration peak to peak				
	Shock	10 G acceleration peak to peak. (11ms)				
	Dimensions (WxDxH)	223.6 mm x 110.7 mm x 61.8 mm				
General	Construction	Aluminum extrusion, heavy-duty steel chassis				
	Mounting	Wall mount, DIN-rail mount				
	Weight	1.3 kg	1.4 kg			
	OS support	Windows® CE 5.0, Windows® XP Embedded / Linux (OEM/ODM)				

- 1 Application Server Platform
- 2 Single Board Computer
- 3 IBX Series POS PC
- 4 AFOLLUX POS Panel PC
- 5 Video Capture Card
- 6 KAMIO RISC
- 7 IOVU Open HMI
- 8 VITO Universal Controller
- 9 DINO BLADE
- 10 LCD Product Series
- 11 Embedded System
- 12 Industrial Computer Chassis
- 13 Power Supply
- 14 Peripherals

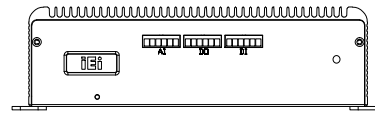
## Dimensions (Unit:mm)



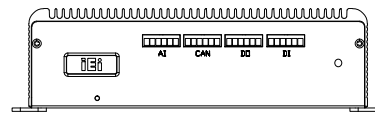
**VITO-2071**  
2 x CAN, 4 x DI, 4 x DO



**VITO-2072**  
8 x DI, 8 x DO

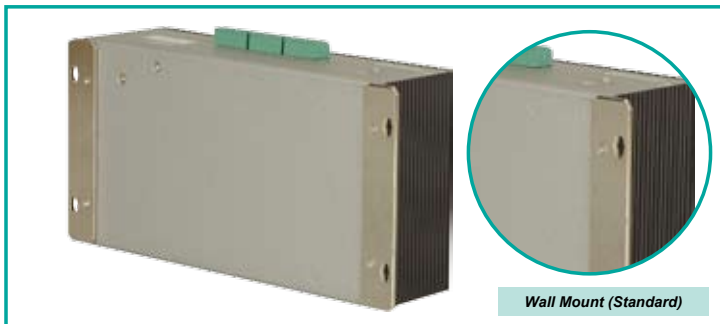


**VITO-2073**  
4 x DI, 4 x DO, 2 x AI

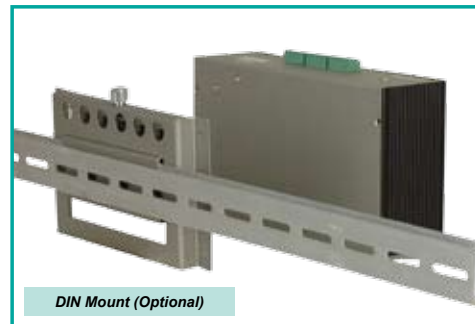


**VITO-2074**  
2 x CAN, 4 x DI, 4 x DO,  
2 x AI

## Mounting Support



Wall Mount (Standard)



DIN Mount (Optional)

## Packing List

- 1 x VITO-207X
- 1 x Utility CD including SDK, utilities, and technical documents
- 1 x Null modem cable
- 1 x Screw kit
- 1 x Wall mount kit



**45W AC/DC Adapter**

Part No: 63000-UP0451E24P56L-RS

**45W AC/DC Adapter**

Part No: 63000-UP0451E12P71L-RS

## Serial Port Support Limitation

When using Windows® CE, the VITO-2070C-R10 can only support 4 serial ports.



Windows® XP Embedded

- 8 x RS-232 or
- 7 x RS-232 + 1 x RS-422/485

Windows® CE 5.0

- 4 x RS-232 or
- 3 x RS-232 + 1 x RS-422/485

Working COM port map under Windows® CE

- 4 x RS-232 Port 1,2,3,5
- 3 x RS-232 + 1 x RS-422/485 Port 1,2,4,5  
Port 4 activated as RS-422/485

## Options

PART NO	DESCRIPTION
VITO-2070CE-R10	256 MB CF memory card with built-in Windows® CE 5.0 OS image, licensed sticker, and BSP S/W CD
VITO-2070XPE-R10	1 GB CF memory card with built-in Windows® XP Embedded OS image, licensed sticker, and SLD S/W CD
IEIOPC-CSXPE-R10	IEI OPC server support Modbus /TCP/RTU mode protocol slave devices for Windows® XP (include local side OPC simple Client view, configuration tool)
63000-UP0451E12P71L-RS	12 VDC 45 W power adapter with lock screw; 90~264 VAC input
63000-UP0451E24P56L-RS	24 VDC 45 W power adapter with bare wire; 90~264 VAC input
19z00-000025-R10	Din mount kit

## Ordering Information

PART NO	DESCRIPTION
VITO-2070X-R10	Multiport Data Collector with AMD® Geode™ LX 800 500 MHz , 256 MB 400 MHz DDR SDRAM, 1 x VGA , 1 x Line out, 1 x LAN, 8 x COM, 4 x USB
VITO-2070C-R10	Multiport Data Collector with AMD® Geode™ LX 800 500 MHz , 256 MB 400 MHz DDR SDRAM, 1 x VGA , 1 x Line out, 1 x LAN, 4 x COM, 4 x USB
VITO-2071-R10	VITO-2070C-R10 + 2 x isolated CAN, 4 x isolated DI, 4 x isolated DO
VITO-2072-R10	VITO-2070C-R10 + 8 x isolated DI, 8 x isolated DO
VITO-2073-R10	VITO-2070C-R10 + 4 x isolated DI, 4 x isolated DO, 2 x AI
VITO-2074-R10	VITO-2070C-R10 + 2 x isolated CAN, 4 x isolated DI, 4 x isolated DO, 2 x AI

Provide AMD® Geode™ LX 800 wide temperature OEM/ODM service

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